

Patent Abstracts of Japan

PUBLICATION NUMBER : 04372554
 PUBLICATION DATE : 25-12-92

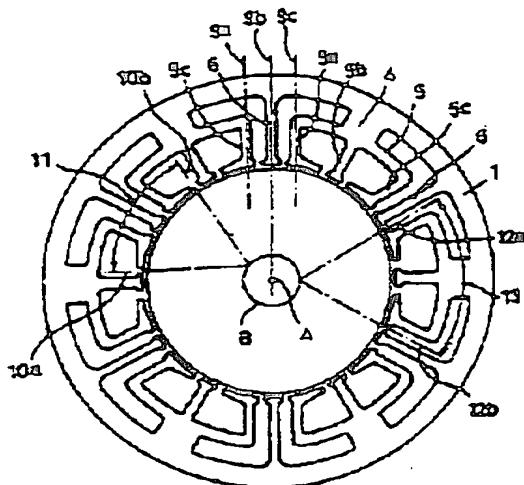
APPLICATION DATE : 19-06-91
 APPLICATION NUMBER : 03147552

APPLICANT : SHIBAURA ENG WORKS CO LTD;

INVENTOR : TANAKA KIMIO;

INT.CL. : H02K 17/08 H02K 1/16

TITLE : MOTOR



ABSTRACT : PURPOSE: To miniaturize a motor, by making pole elements inclusive of an interpole, around which a second winding is wound, parallel with each other, and by increasing the winding quantities of a first winding and the second winding.

CONSTITUTION: In a stator core 1, pole elements 5a, 5c, which constitute a tooth part 5, are formed in parallel with each other, and an interpole 6 is formed in parallel with the pole elements 5a, 5c. Thereby, the space part, which is formed between the pole elements 5a, 5b or between the pole elements 5c, 5b, and wherein a second winding is wound, is made large. To that extent, the dimension of the tooth part 5, which is measured in the diametric direction of the stator core, can be made small. By virtue of the tooth part 5 being made large in the circumferential direction of the stator core, the space part, wherein a first winding is wound, can be made large in the circumferential direction too. To that extent, the dimension of this space part, which is measured in the diametric direction, can be made small. Therefore, the respective space parts, wherein the first winding and the second direction and are made small in the diametric direction. Thereby, the outer diameter of the stator core 1 can be made small, and a motor can be miniaturize.

COPYRIGHT: (C)1992,JPO&Japio

BEST AVAILABLE COPY